



# South Coast Air Quality Management District

21865 Copley Drive Diamond Bar CA 91765-4178  
(909) 396-2000 www.aqmd.gov

February 19, 2010

Mr Gerardo Rios  
Chief, Permits Office  
US EPA, Region IX- Air 3  
75 Hawthorne Blvd  
San Francisco, CA 94105

Dear Mr Rios

Please find the attached revised version of the U S Dept of Navy, San Clemente Island (800263) Facility Permit This revision was previously sent to EPA for your review on December 29, 2009 The revised Facility Permit reflects the inclusion of the following equipment approved for Permit to Construct

Application No	Equipment	Device no	Process/System
504366	Gasoline Storage	D211	1,5
504366	Gasoline Storage	D212	1,5
504366	Gasoline Storage	D213	1,5
504366	Gasoline Storage	D214	1,5
504366	Gasoline Storage	D215	1,5
504366	Gasoline Storage	D216	1,5
504366	Gasoline Dispensing	D217	1,5
504366	Gasoline Dispensing	D218	1,5
504366	Bulk Loading Arm	D222	1,5
504366	Bulk Loading Arm	D223	1,5

Insert the enclosed Section H into the Facility Permit and discard the earlier versions Questions concerning changes to your permit should be directed to Mr Roy Olivares at (909) 396-2208

Very truly yours,

*Michael D Mills*

Michael D Mills  
Senior Manager  
General Commercial and Energy  
Team Engineering and Compliance



# South Coast Air Quality Management District

21865 Copley Drive Diamond Bar CA 91765-4178  
(909) 396-2000 www.aqmd.gov

February 19, 2010

Mr Marvin Johnson  
Environmental Engineer  
US Navy  
937 N Harbor  
Box 81, Bldg 1, Room S510  
San Diego, CA 92132-0058

Attention Mr Johnson  
Facility ID 800263

Please find attached the revised version of your Facility Permit. The revised Facility Permit reflects the inclusion of the following equipment approved for Permit to Construct:

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504366	Bulk Loading Arm	D223	1,5

Please review the attached section H. Insert the enclosed sections into your Facility Permit and discard the earlier versions. Questions concerning changes to your permit should be directed to Mr. Roy Olivares at (909) 396-2208.

Very truly yours,

Michael D. Mills  
Senior Manager  
General Commercial and Energy Team  
Engineering and Compliance

Enclosure  
Certified Mail  
Return Receipt Requested



**FACILITY PERMIT TO OPERATE**  
**U S GOVT, DEPT OF NAVY**

**SECTION H PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below

Equipment	ID No	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions And Requirements	Conditions
<b>Process 1 NALF SAN CLEMENTE ISLAND (ID NO 47651)</b>					
<b>System 5 Fueling Stations</b>					
STORAGE TANK FIXED ROOF GASOLINE ABOVE GROUND WITH SUBMERGED FILLING 10000 GALS DIAMETER 8 FT LENGTH 28 FT A/N 504366 Permit to Construct Issued 01/01/10	D211				D330 1 E193 1 J109 1 K67 9
STORAGE TANK FIXED ROOF GASOLINE ABOVE GROUND WITH SUBMERGED FILLING 10000 GALS DIAMETER 8 FT LENGTH 28 FT A/N 504366 Permit to Construct Issued 01/01/10	D212				D330 1 E193 1 J109 1 K67 9
STORAGE TANK FIXED ROOF GASOLINE ABOVE GROUND WITH SUBMERGED FILLING 10000 GALS DIAMETER 8 FT LENGTH 28 FT A/N 504366 Permit to Construct Issued 01/01/10	D213				D330 1 E193 1 J109 1 K67 9
STORAGE TANK FIXED ROOF GASOLINE ABOVE GROUND WITH SUBMERGED FILLING 10000 GALS DIAMETER 8 FT LENGTH 28 FT A/N 504366 Permit to Construct Issued 01/01/10	D214				D330 1 E193 1 J109 1 K67 9

- \* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e g NSPS NESHAPS etc )  
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring recordkeeping and reporting requirements for this device



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Equipment	ID No	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions And Requirements	Conditions
<b>Process 1 NALF SAN CLEMENTE ISLAND (ID NO 47651)</b>					
STORAGE TANK FIXED ROOF GASOLINE ABOVE GROUND WITH SUBMERGED FILLING 10000 GALS DIAMETER 8 FT LENGTH 28 FT A/N 504366 Permit to Construct Issued 01/01/10	D215				D330 1 E193 1 J109 1 K67 9
STORAGE TANK FIXED ROOF GASOLINE ABOVE GROUND WITH SUBMERGED FILLING 10000 GALS DIAMETER 8 FT LENGTH 28 FT A/N 504366 Permit to Construct Issued 01/01/10	D216				D330 1 E193 1 J109 1 K67 9
FUEL DISPENSING NOZZLE GASOLINE HEALY MODEL 400 ORVR (G 70 187) A/N 504366 Permit to Construct Issued 01/01/10	D217				C1 10 C1 11 D330 1 E193 1 J110 1 J373 3 K67 9
FUEL DISPENSING NOZZLE GASOLINE HEALY MODEL 400 ORVR (G 70 187) A/N 504366 Permit to Construct Issued 01/01/10	D218				C1 10 C1 11 D330 1 E193 1 J110 1 J373 3 K67 9
LOADING ARM GASOLINE ONE HOSE WITH DRY BREAK CONNECT COUPLER FOR BOTTOM LOADER A/N 504366 Permit to Construct Issued 01/01/10	D222				C1 14 C1 15 J373 4 K67 9

- \* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e g NSPS NESHAPS etc )  
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Equipment	ID No	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions And Requirements	Conditions
<b>Process 1 NALF SAN CLEMENTE ISLAND (ID NO 47651)</b>					
LOADING ARM GASOLINE ONE VAPOR RECOVERY HOSE WITH CAMLOCK QUICK CONNECT COUPLER A/N 504366 Permit to Construct Issued 01/01/10	D223				C1 14 J373 4 K67 9

- \* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
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(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring recordkeeping and reporting requirements for this device



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive Diamond Bar CA 91765

Section H	Page 4
Facility ID	800263
Revision #	2
Date	February 19, 2010

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## **FACILITY PERMIT TO OPERATE**

### **U S GOVT, DEPT OF NAVY**

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#### **SECTION H DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID**



## FACILITY PERMIT TO OPERATE

### U S GOVT, DEPT OF NAVY

#### SECTION H DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No	Process	System
D211	1	1	5
D212	1	1	5
D213	1	1	5
D214	1	1	5
D215	2	1	5
D216	2	1	5
D217	2	1	5
D218	2	1	5
D222	2	1	5
D223	3	1	5



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## FACILITY PERMIT TO OPERATE

### U S GOVT, DEPT OF NAVY

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#### SECTION H PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

**The operator shall comply with the terms and conditions set forth below**

#### **FACILITY CONDITIONS**

F9 1 Except for open abrasive blasting operations the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is

(a) As dark or darker in shade as that designated No 1 on the Ringelmann Chart as published by the United States Bureau of Mines or

(b) Of such opacity as to obscure an observers view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition

[RULE 401, 3 2-1984, RULE 401 11 9 2001]

F14 2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier

[RULE 431 2, 5-4-1990]

#### **DEVICE CONDITIONS**

##### **C Throughput or Operating Parameter Limits**

C1 10 The operator shall limit the gasoline dispensed to no more than 23000 gallon(s) in any one calendar month

[RULE 1303(b)(2) Offset, 5 10 1996, RULE 1303(b)(2) Offset 12 6 2002]

[Devices subject to this condition D217 D218]

C1 11 The operator shall limit the gasoline dispensed to no more than 276000 gallon(s) per year

[RULE 1401 3 4 2005]





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**FACILITY PERMIT TO OPERATE**  
**U S GOVT, DEPT OF NAVY**

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**SECTION H PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below**

[Devices subject to this condition D217 D218]

- C1 14 The operator shall limit the gasoline dispensed to no more than 10000 gallon(s) in any one calendar month

This condition applies to bulk unloading operations

[RULE 1303(b)(2)-Offset, 5-10 1996, RULE 1303(b)(2) Offset 12 6 2002]

[Devices subject to this condition D222 D223]

- C1 15 The operator shall limit the gasoline dispensed to no more than 120000 gallon(s) per year

This condition applies to bulk unloading operations

[RULE 1401 3 4 2005]

[Devices subject to this condition D222]

**D Monitoring/Testing Requirements**

- D330 1 The operator shall have a person that has been trained in accordance with Rule 461 conduct a semi annual inspection of the gasoline transfer and dispensing equipment. The first inspection shall be in accordance with Rule 461 Attachment B the second inspection shall be in accordance with Rule 461 Attachment C and the subsequent inspections shall alternate protocols. The operator shall keep records of the inspection and the repairs in accordance to Rule 461 and Section K of this Permit

[RULE 3004(a)(4)-Periodic Monitoring, 12-12 1997]

[Devices subject to this condition D211 D212 D213 D214 D215 D216 D217 D218]

**E Equipment Operation/Construction Requirements**



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**FACILITY PERMIT TO OPERATE**  
**U S GOVT, DEPT OF NAVY**

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**SECTION H PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below**

E193 1 The operator shall operate and maintain this equipment as follows

ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS  
FACILITY SHALL BE INSTALLED OPERATED AND MAINTAINED TO MEET  
ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION  
REQUIREMENTS

[RULE 461 3 7 2008]

[Devices subject to this condition D211 D212 D213 D214 D215 D216 D217  
D218]

**J Rule 461**

J109 1 The operator shall use except for diesel transfer the phase I vapor recovery system in full operation whenever this equipment is in use This system shall be installed operated and maintained to meet all CARB certification requirements

[RULE 461 3 7 2008]

[Devices subject to this condition D211 D212 D213 D214 D215 D216]

J110 1 The operator shall use except for diesel transfer the phase II vapor recovery system in full operation whenever gasoline from this equipment is dispensed to motor vehicles as defined in Rule 461 This system shall be installed operated and maintained to meet all CARB certification requirements

[RULE 461 3 7 2008]

[Devices subject to this condition D217 D218]

J373 3 The operator shall comply with the following gasoline transfer and dispensing requirements



## FACILITY PERMIT TO OPERATE

### U S GOVT, DEPT OF NAVY

#### SECTION H PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

**The operator shall comply with the terms and conditions set forth below**

a) The Phase II vapor recovery systems shall be installed operated and maintained such that the maximum allowable pressure through the system including nozzle vapor hose swivels and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified

Nitrogen Flowrates (CFH)    Dynamic Back Pressure (Inches of Water)

60                                  0 35

80                                  0 62

Dynamic back pressure tests shall be conducted to determine the phase II system vapor recovery back pressures. The tests shall be conducted in accordance with CARB test procedure TP 201 4 methodology 5 as a performance test and as a reverification test. Results shall be submitted to the AQMD office of Engineering and Compliance within seventy two (72) hours of tests.

b) A static pressure integrity test shall be conducted to demonstrate that the storage tanks, the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted as outlined in exhibit 3 of CARB executive order G 70 187 as a performance test and as a reverification test. Results shall be submitted to the AQMD office of Engineering and Compliance within (72) hours of test.

c) If the CARB executive order requires the installation of a liquid removal device, a liquid removal rate test shall be conducted to demonstrate the removal of gasoline from the vapor passage of the coaxial hose. The test shall be conducted in accordance with CARB test procedure method TP 201 6 as a performance test and as a reverification test. Results shall be submitted to the AQMD office of Engineering and Compliance within seventy two (72) hours of test.

d) A vapor return line vacuum integrity test shall be conducted to verify the vapor tightness of the Healy system. The test shall be conducted as outlined in exhibit 4 of CARB executive order G 70 187 as a performance test, reverification test. Results shall be submitted to the AQMD office of Engineering and Compliance within seventy two (72) hours of test.



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**FACILITY PERMIT TO OPERATE**  
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**SECTION H PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below**

The AQMD shall be notified by e mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396 3606 at least seventy two (72) hours prior to any of the above mentioned testing requirements such notification shall include the name of the owner or operator the name of the contractor the location of the facility and the scheduled start and completion dates of the tests to be performed

The testing frequency for the above mentioned tests shall be conducted in accordance with the most recent AQMD Rule 461 amendment or CARB Executive Order requirements whichever is more stringent

e A fillneck vapor pressure regulation fueling test shall be conducted to verify proper operation of the nozzle boot pressure regulation which is unique to the Healy model 400 ORVR nozzle The test shall be conducted as outlined in exhibit 5 of CARB executive order G 70 187 as a performance test and as a reverification test Results shall be submitted to the AQMD office of Engineering and Compliance within seventy two (72) hours of the test

**[RULE 461, 6 3 2005]**

[Devices subject to this condition D217 D218]

J373 4 The operator shall comply with the following gasoline transfer and dispensing requirements



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## FACILITY PERMIT TO OPERATE U S GOVT, DEPT OF NAVY

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### SECTION H PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

**The operator shall comply with the terms and conditions set forth below**

THIS EQUIPMENT SHALL BE OPERATED FOR BOTTOM LOADING ONLY DURING THE TRANSFER OF GASOLINE FUEL FROM THE UNDERGROUND STORAGE TANK INTO ANY TANK TRUCK ALL VAPOR RETURN LINES SHALL BE CONNECTED BETWEEN THE UNDERGROUND GASOLINE STORAGE TANK AND TANK TRUCK

THE BULK LOADING TRANSFER EQUIPMENT SHALL BE OPERATED AND MAINTAINED SO THAT THERE ARE NO OVERFILLS FACILITY VAPOR LEAKS LIQUID LEAKS OR LIQUID LEAKS FROM DISCONNECT OPERATIONS

THE BULK LOADING EQUIPMENT SHALL BE OPERATED SO THAT THE BACKPRESSURE IN THE VAPOR RECOVERY SYSTEM DOES NOT EXCEED 18 INCHES OF WATER COLUMN PRESSURE

THIS CLASS B LOADING FACILITY SHALL BE INSTALLED OPERATED AND MAINTAINED IN ACCORDANCE WITH DISTRICT RULE 462

THE BULK PLANT VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD (CARB) AS REQUIRED IN DISTRICT RULE 462 THE COPY OF THE CARB BULK PLANT VAPOR RECOVERY CERTIFICATION TEST RESULTS SHALL BE RETAINED ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST

THE BULK LOADING/UNLOADING EQUIPMENT SHALL NOT BE USED FOR LOADING MORE THAN 20 000 GALLONS PER DAY OF ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 15 PSIA OR GREATER UNDER ACTUAL LOADING CONDITIONS

RECORDS OF DAILY AND MONTHLY GASOLINE FUEL DISPENSED SHALL BE PREPARED AND MAINTAINED TO DETERMINE CLASSIFICATION OF THIS FACILITY IN ACCORDANCE WITH DISTRICT RULE 462

**[RULE 462, 5-14 1999]**



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**FACILITY PERMIT TO OPERATE**  
**U S GOVT, DEPT OF NAVY**

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**SECTION H PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**The operator shall comply with the terms and conditions set forth below**

[Devices subject to this condition D222 D223]

**K Record Keeping/Reporting**

K67 9 The operator shall keep records in a manner approved by the District for the following parameter(s) or item(s)

ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 AND RULE 462 SHALL BE KEPT ON SITE FOR FIVE YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST

RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED SHALL BE RETAINED ON SITE FOR FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST

[**RULE 1303(b)(2)-Offset, 5 10 1996, RULE 1303(b)(2) Offset 12 6 2002 RULE 1401 3 4 2005 RULE 461, 6 3 2005, RULE 461 Hasstech Conditions 1 9 2004 RULE 462, 5 14 1999**]

[Devices subject to this condition D211 D212 D213 D214 D215 D216 D217 D218 D222 D223]